What is claimed is:

- 1. A gastrointestinal system comprising:
- a carrier comprising an actuator in operative communication with at least one traction member, said actuator moving said at least one traction member relative to said carrier, wherein a portion of said at least one traction member is sufficiently compliant so as to deform in conformance with a shape of a gastrointestinal tract during traction therealong.
- 2. The gastrointestinal system according to claim 1, wherein said at least one traction member is movably supported across supports extending from said carrier, and wherein a portion of said at least one traction member between said supports is sufficiently compliant so as to deform in conformance with a shape of a gastrointestinal tract during traction therealong.
- 3. The gastrointestinal system according to claim 2, wherein said shafts are adapted to urge said at least one traction member outwards.
- 4. The gastrointestinal system according to claim 1, wherein a shear adherence of said at least one traction member to a gastrointestinal tract in a direction along a surface of the gastrointestinal tract is greater than a tensile adherence of said at least one traction member to the gastrointestinal tract in a direction perpendicularly away from the surface of the gastrointestinal tract.
- 5. The gastrointestinal system according to claim 1, wherein said at least one traction member is arranged for rotation about a pulley system.
- 6. The gastrointestinal system according to claim 5, wherein said pulley system is coupled to said actuator by a gear train.
- 7. The gastrointestinal system according to claim 5, wherein said pulley system comprises a belt placed around pulley wheels, wherein said at least one traction member is spaced from and connected to said belt by spacers.
- 8. The gastrointestinal system according to claim 7, wherein said at least one traction member is more compliant than said belt.
- 9. The gastrointestinal system according to claim 1, further comprising an imaging device disposed in said carrier.
- 10. The gastrointestinal system according to claim 1, further comprising a diagnostic device disposed in said carrier.

- 11. The gastrointestinal system according to claim 1, further comprising a therapeutic device disposed in said carrier.
- 12. The gastrointestinal system according to claim 1, wherein said carrier is at least partially disposed in a removable sheath.
- 13. The gastrointestinal system according to claim 1, further comprising a protective funnel for introducing said gastrointestinal system in a body lumen.
- 14. The gastrointestinal system according to claim 1, wherein said at least one traction member comprises an elastomeric member applied over a roller, said roller being mounted for rotation on an arm and operatively connected to said actuator.
- 15. The gastrointestinal system according to claim 14, wherein said elastomeric member is stretched over said roller.
- 16. The gastrointestinal system according to claim 14, wherein said elastomeric member is coated on said roller.
- 17. The gastrointestinal system according to claim 14, wherein an outer surface of said roller comprises a plurality of indentations separated by walls.
- 18. The gastrointestinal system according to claim 14, wherein said roller includes a fluid passage arranged for fluid communication with at least one port formed in said arm, said port being connected to at least one of a suction source and a blowing source.